

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Withdrawn) A dispenser for a liquid crystal display panel comprising:
a syringe for applying a dispensing material to a substrate through a nozzle provided at one end portion thereof;
a cap unit provided at the other end portion of the syringe;
a gas supply unit for supplying a gas to the syringe through a gas pipe penetrating the cap unit;
a valve provided in the gas pipe;
a detecting unit for detecting a residual quantity of the dispensing material remaining in the syringe through a flow amount of gas supplied from the gas supply unit to the syringe; and
a controller for controlling the gas supply unit, the valve and the detecting unit.
2. (Withdrawn) The dispenser of claim 1, wherein the substrate is a thin film transistor array substrate for the liquid crystal display panel.
3. (Withdrawn) The dispenser of claim 1, wherein the substrate is a color filter substrate of the liquid crystal display panel.
4. (Withdrawn) The dispenser of claim 1, wherein the gas supply unit supplies a nitrogen gas (N₂).
5. (Withdrawn) The dispenser of claim 1, wherein the dispensing material is a sealant.
6. (Withdrawn) The dispenser of claim 1, wherein the dispensing material is liquid crystal.

7. (Withdrawn) The dispenser of claim 1, wherein the dispensing material is Ag.

8. (Currently Amended) A method for forming a liquid crystal layer ~~detecting a residual quantity of a dispensing material using a dispenser~~ of a liquid crystal display panel comprising:

loading a first substrate and a second substrate having a plurality of panel regions on a table;

providing a dispenser having a syringe;

determining a first flow amount of gas by supplying a gas to a syringe filled with the ~~dispensing~~ liquid crystal material, wherein the first flow amount of gas is the amount of gas necessary for the syringe to be capable of dispensing in response to an additional amount of gas;

determining a second flow amount of gas by supplying the gas to the syringe, wherein the second flow amount of gas is the amount of gas such that the syringe is filled with the minimum quantity of residual ~~dispensing~~ liquid crystal material that is enough to ensure a previous dispensing but not enough for a subsequent dispensing, ~~the second flow amount being divided into predetermined parts;~~

repeatedly dispensing the liquid crystal material using the syringe filled with the liquid crystal material onto a plurality of panel regions of the first substrate or the second substrate ~~repeatedly performing dispensings through the syringe filled with the dispensing material by supplying intermediate flow amounts of gas to the syringe and moving the table on which the first substrate or the second substrate is loaded;~~

detecting the intermediate amounts of gas corresponding to the dispensed amount of the ~~dispensing~~ liquid crystal material in the syringe; and

determining a residual quantity number of the liquid crystal material dispensings remaining in the syringe by comparing the ~~number of~~ intermediate amounts of gas with the divided parts of the second flow amount of the gas;

attaching the first substrate and the second substrate; and

spreading the liquid crystal material on the panel regions between the attached first and second substrates,

wherein the ~~dispensing~~ liquid crystal material is still dispensed if the ~~number of~~ intermediate amounts of gas is less than the divided parts of the second flow amount of the gas

and the liquid crystal material is not dispensed and the syringe is exchanged into a new syringe filled with the liquid crystal material if the intermediate amount of gas is larger than the divided parts of the second flow amount of the gas ~~the dispensing material is not dispensed if the number of intermediate amounts of gas is equal to the divided parts of the second flow amount of gas.~~

9-17. (Cancelled)